

ABSTRACT OF DISCLOSURE

A variable capacity rotary compressor, which precisely controls variation of a compression capability into a desired discharge pressure, and which minimizes a resistance to rotation of a rotating shaft, and thus improves the capacity of the rotary compressor. The rotary compressor includes, a hermetic casing, a housing, disposed in the hermetic casing, having two compressing chambers having different capacities, a rotating shaft rotatably disposed in the two compressing chambers, two eccentric units mounted on the rotating shaft in the two compressing chambers, the two eccentric units being operated in opposite manners such that when either one of the two eccentric units is locked in an eccentric state to perform a compressing operation, the other eccentric unit is released from the eccentric state to release the compressing operation, two roller pistons fitted on outer surfaces of the first and second eccentric units, two vanes provided in the two compressing chambers to be radially moved while being in contact with the first and second roller pistons, and a pressure control unit to allow a discharging pressure to be applied to either one of the two compressing chambers, where an idle rotating operation is performed.